

Title (en)
POLYMERIZABLE COMPOUNDS

Title (de)
POLYMERISIERBARE VERBINDUNGEN

Title (fr)
COMPOSES POLYMERISABLES

Publication
EP 0723542 A1 19960731 (EN)

Application
EP 94918099 A 19940527

Priority
• US 9405802 W 19940527
• US 7301493 A 19930604
• US 24279794 A 19940519

Abstract (en)
[origin: WO9429296A1] Polymerizable compounds based on N-acylamido-piperazines are provided. Such compounds have formula (1) wherein: R<1>, R<2>, and R<3> are each independently selected from the group consisting of hydrogen and lower alkyl, B is a linking group selected from the group consisting of carbonyl, sulfonyl, amide, and carboxyl; n is one or zero; R<4> is a radical selected from the group consisting of a higher aliphatic group (i.e. at least four carbon atoms, preferably from about 6 to about 50 carbon atoms), a substituted higher aliphatic group, an alicyclic group, a heterocyclic group, a non-benzenoid aromatic group, and a substituted aromatic group. These compounds can be incorporated into a polymerizable composition. The compound is preferably present in said composition in a major amount on a mole percent basis of the polymerizable monomers. These polymerizable compositions are useful as coatings, particularly in formulations containing a photoinitiator susceptible to ultra-violet radiation. The coating is exposed to ultra-violet radiation sufficient to cause the compound to polymerize and thus cure the coating.

IPC 1-7
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IPC 8 full level
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CPC (source: EP US)
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C-Set (source: EP US)
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